

Patent Claims

1. A multi-chamber tube which is manufactured from a flat strip (2), is closed by means of a longitudinal seam (4) and has two flat longitudinal faces (5, 6) and two curved narrow faces (3, 7) and has at least one web (8) which is folded out of the flat strip (2) and which divides adjacent chambers (9, 10), and is soldered to the inner wall (6) of the tube located opposite, characterized in that, in the region of the soldered connection of the at least one web (8), the flat strip (2) has an embossment (15) which is directed toward the inside (6') of the tube.
2. The multi-chamber tube as claimed in claim 1, characterized in that the embossment (15) is constructed in the manner of a plateau, specifically with a width b, which corresponds at least to twice the thickness s of the flat strip, and at a height h, which is significantly less than the thickness s of the flat strip.
3. The multi-chamber tube as claimed in claim 2, characterized in that the width b is greater than three times the thickness s of the flat strip, and the height h is less than half the thickness s of the flat strip, i.e. $b \geq 3 s$ and $h \leq 0.5 s$.
4. The multi-chamber tube as claimed in claim 1, 2 or 3, characterized in that the thickness of the flat strip is $0.1 \leq s \leq 0.5$ mm.
5. The multi-chamber tube as claimed in one of the preceding claims, characterized in that the tube has a depth t in the region of $20 \text{ mm} \leq t \leq 60 \text{ mm}$.
6. The multi-chamber tube as claimed in one of the preceding claims, characterized in that the tube has a thickness d in the region of $1.5 \text{ mm} \leq d \leq 2.0 \text{ mm}$.

7. The multi-chamber tube as claimed in one of the preceding claims, characterized in that the webs are alternately folded out of the one longitudinal face (5) and out of the opposite longitudinal face (6), and the embossments (15) are also alternately arranged on the longitudinal face which is located opposite a web (8).

8. The multi-chamber tube as claimed in one of the preceding claims, characterized in that the webs (8) are folded out of only one longitudinal face (5), and the embossments (15) are arranged on the opposite longitudinal face (6).

9. A method for manufacturing a multi-chamber tube as claimed in one of the preceding claims, characterized

- in that a flat strip (2) is made available,
- webs (8) are formed from one half of the flat strip by folding, and
- the embossments (15) are formed on the other half of the flat strip (2),
- in that the flat strip (2) is bent on one narrow face (7) and is moved into abutment and welded on its other narrow face (3),
- in that the web backs (13) are moved into abutment with the embossment (15), and the flat tube (1) is standardized to a reference dimension d' , as regards its thickness d , if appropriate by shaping the embossment (15).